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[54] CAMERA FOCUS DETECTION SYSTEM USING HOLOGRAPHIC BEAM SPLITTER

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[57] ABSTRACT

An imaging system having a focus detecting device performs focus detection by detecting an output signal indicative of intensity distribution of light derived from a light-receiving element, in which at least one holographic optical element is arranged on the object side of a primary imaging plane to form an image on the light-receiving element. Thus, the imaging system has significant advantages in practical use that the arrangement is simple and the camera body is made compact.

4 Claims, 7 Drawing Sheets

